

National Transportation Program  
Key NTP Packaging Projects  
Status

Packaging Management Council  
Meeting  
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National Transportation Program

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Santa Fe, NM



# **Packaging Workshop Actions**

## **SARP Quality Improvement Option Study**

The purpose of this effort is to develop, evaluate, select and recommend options to improve the quality of SARP submissions to regulators in order to expedite the Type B packaging certification process.

Status: Draft: August 30, 2000, Final Report: 02/28/2002



# **Packaging Workshop Actions**

## **SARP Quality Improvement Option Study**

### **OPTIONS:**

- Option 1: Status Quo (Decentralized)
- Option 2: Status Quo (Decentralized) with Centralized DOE Quality Review
- Option 3: Center for Packaging with Best Option Selection
- Option 4: Center for Packaging with Contractor Center of Excellence



# **Packaging Workshop Actions**

## **LLW/MLLW Container Procurement Efficiency and Quality Improvement Study**

The purpose of this effort to investigate opportunities identified in the LLW breakout session of the Chicago Packaging Workshop related to centralized or regionalized procurement of a family of waste containers and standardized QA/QC of suppliers

Status: Final Draft: 11/28/2001



# **Packaging Workshop Actions**

## **LLW/MLLW Container Procurement Efficiency and Quality Improvement Study**

### **Options:**

- Option 1 - Maintain Current Procurement Practices
- Option 2 - Procurement Through GSA Procurement Schedules
- Option 3 - Procurement With DOD
- Option 4 - Procurement Through DOE-Negotiated Prices



# **Other Packaging Projects**

## **Double Containment Rule Elimination Study**

The study supported earlier DOE position on the elimination of this rule and determined significant penalties to DOE from the double containment requirements in the areas of TRU wastes, plutonium oxides and residues, and damaged spent nuclear fuel shipments.



# Other Packaging Projects

## Double Containment Rule Elimination Study-contd.

Study estimated these penalties to be more than \$60M for the ten-year period.

Also estimated unnecessary worker radiation exposure during loading and unloading operation in the range of 1300 to 4500 person-rem over ten-year period.

Status: Final Draft-02/28/2002

Report will be part of DOE comments to much anticipated NRC/DOT Rulemaking



# **Other Packaging Projects**

## **Joint NRC/DOE/IAEA Contamination Research**

Purpose is to review the model used in determining current surface contamination Limits in regulations. DOE anticipates an impending increase in the number and frequency of transports of spent nuclear fuel and high-level waste as progress to establish a permanent repository for these materials accelerates.

Status: Ist Meeting of RCM was held on November 7-9, 2001. Project will be completed by the end of 2002.





# **Other Packaging Projects**

## **Cost Effective Implementation of Provisions of 10 CFR Part 830 Rule**

Need to develop a cost effective approach to implementation of 10 CFR 830 subpart B, Onsite Transportation requirements at DOE Sites

Status: Work-In-Progress. Onsite Working Group issued a paper. NTP will pursue Working Group's recommendations.



# EM-1 Goals and Priorities

- Goal 1- Improve Safety Performance:
- Goal 2- Reduce Cost and Time required to Complete the EM Cleanup Mission
- Goal 3- Closing of Rocky Flats, Fernald and Mound by 2006
- Goal 4- Consolidation of Nuclear Materials
- Goal 5- Eliminate Need to Process High Level Liquid Waste
- Goal 6- Make EM a Better Customer
- Goal 7- Shrink the EM footprint
- Goal 8- Get Waste to Disposal Facilities Quickly
- Goal 9- Reshape EM systems and Infrastructure to drive accelerated cleanup and closure



# PMC Packaging Projects

PMC Projects must support EM-1 Goals and Priorities



# **Proposed Packaging Management Strategy**

## **8 Key Elements**

### **Key Elements:**

1. Develop a corporate Transportation Forecast
2. Develop a corporate packaging inventory
3. Develop a corporate packaging needs
4. Identification of packaging technology needs
5. Develop a corporate packaging logistics management system
6. Develop a corporate packaging fleet budget baseline
7. Develop a corporate process to ensure excellence in packaging SARP
8. Develop a process for determining priority for package certification

